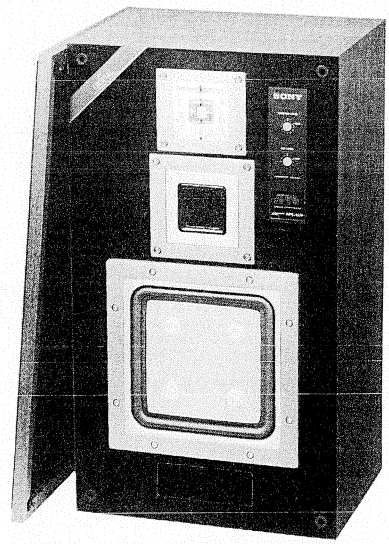
APM-55W

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



SPECIFICATIONS

Speaker System:	3-way speaker system
Speaker Units:	Woofer: 424 cm^2 (65.6 in^2), flat diaphragm Mid-range: 48 cm^2 (7.4 in^2), flat diaphragm Tweeter: 12 cm^2 (1.9 in^2), flat diaphragm
Enclosure Type:	Bass reflex Removable front grille
Normal Impedance:	6 Ω
Power Handling Capacity:	Normal 100 W DIN 45500 Music 200 W DIN 45500
Sensitivity:	91 dB (1 W, 1 m)
Frequency Range:	31 – 30,000 Hz ± 2 dB DIN
Crossover Frequency:	450 Hz, 4500 Hz
Controls:	Tweeter from 1 dB to -50dB, continuously adjustable Mid-range from 0 dB to -50 dB, continuously adjustable
Input Terminal:	Full-range input
Dimensions:	Approx. 385(w) x 685(h) x 330(d) mm 16(w) x 27(h) x 13(d) inches
Weight:	Approx. 27.5 kg (60lb10oz) (net, including front grille) Approx. 31.5 kg, 69 lb 7 oz (in shipping carton)

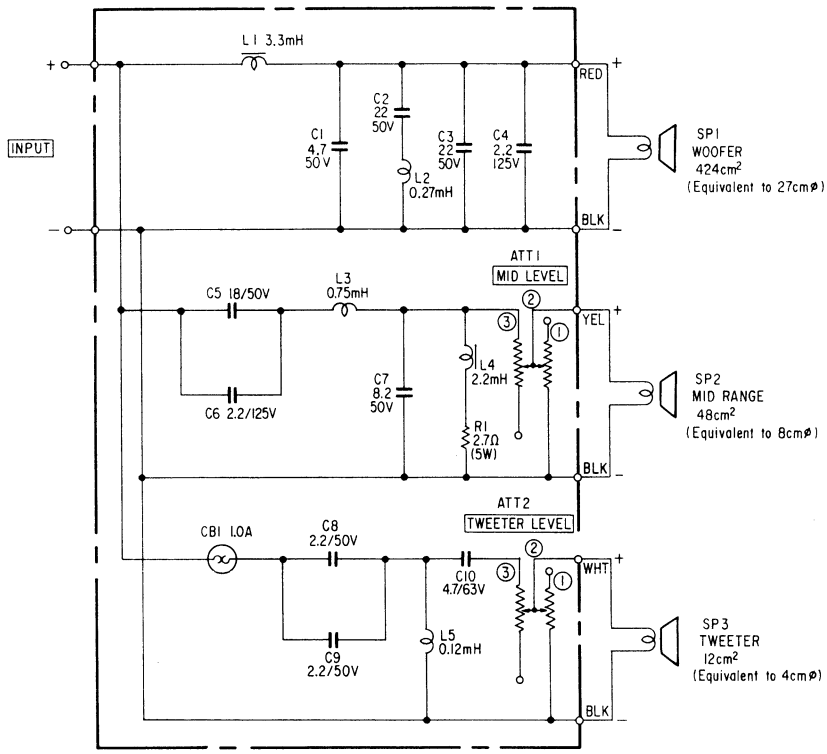
MICROFILM

SPEAKER SYSTEM

SONY®

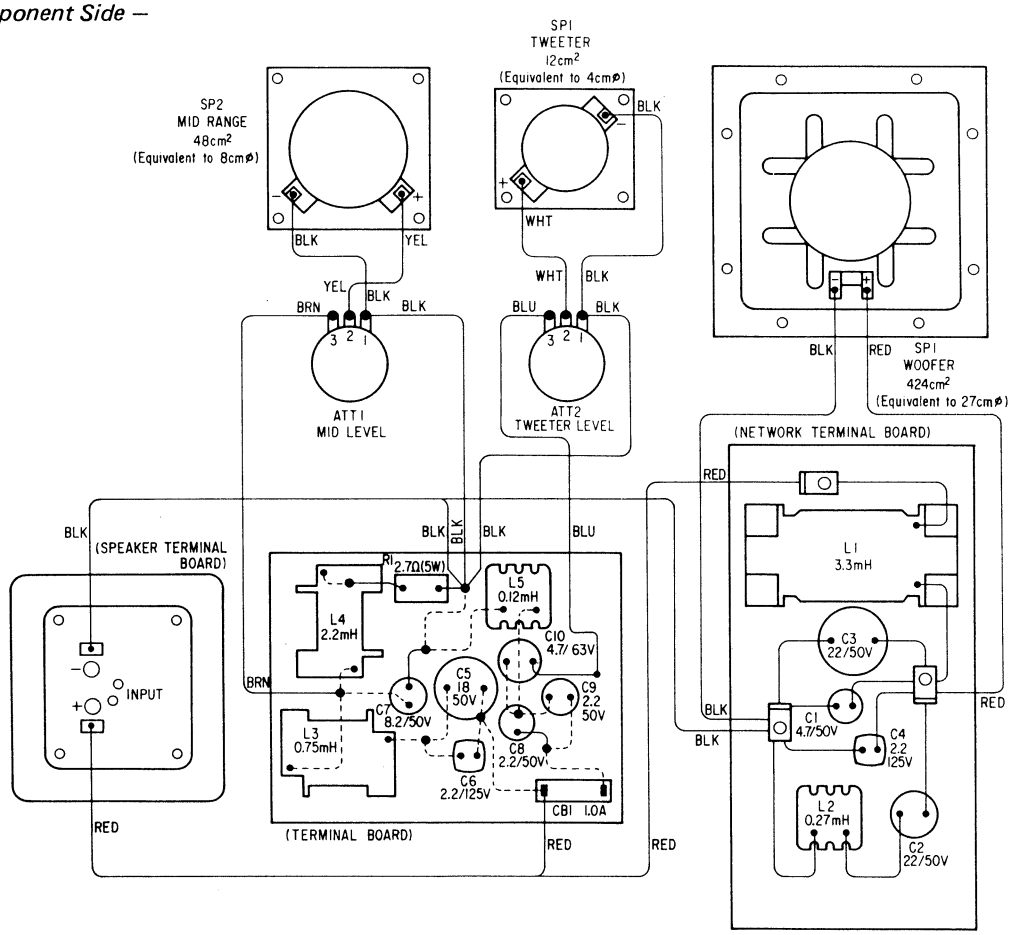
AUD

1. SCHEMATIC DIAGRAM

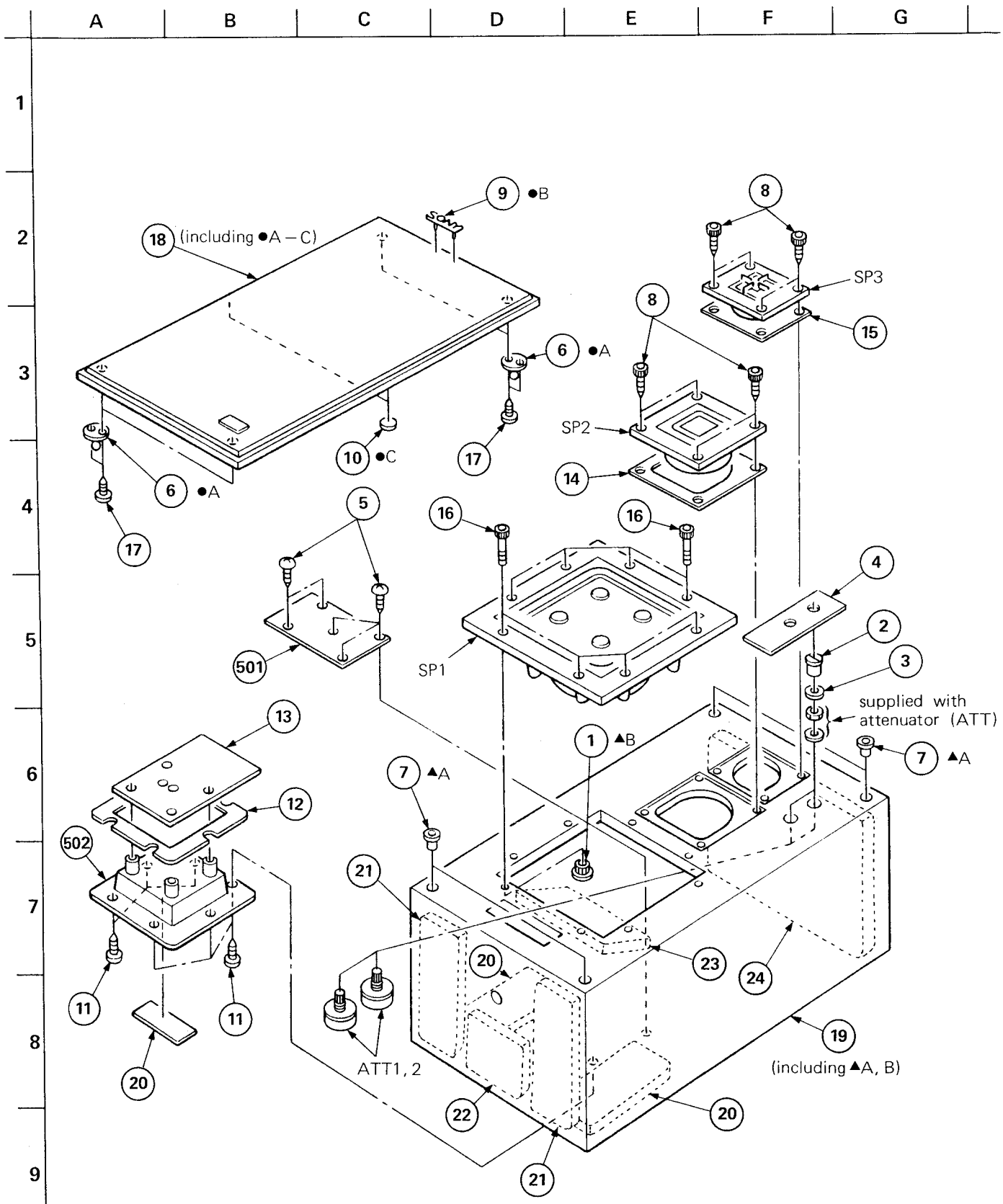


2. MOUNTING DIAGRAM

— Component Side —



3. EXPLODED VIEW



4. PARTS LIST

GENERAL SECTION

No.	Part No.	Description
1	2-224-905-00	NUT
2	3-568-604-21	KNOB, ATT
3	3-831-441-XX	SPACER
4	4-901-218-00	PLATE, ORNAMENTAL, ATT
5	4-329-703-00	SCREW
6	4-843-806-00	STRIKE
7	4-849-034-00	CATCHER
8	4-849-042-11	SCREW (A) (DIA. 5), TAPPING
9	4-849-833-00	EMBLEM, SONY
10	4-850-828-00	CUSHION
11	4-874-614-11	SCREW (M3.5), + BV TAPPING
12	4-881-213-00	PACKING, TERMINAL BOARD
13	4-884-418-00	TERMINAL BOARD
14	4-901-210-00	PACKING, MID
15	4-901-224-00	PACKING, TW
16	7-683-444-08	BOLT, HEXAGON SOCKET 5X30
17	7-685-149-69	SCREW +P 3X14 TYPE4
18	X-4901-202-0	FRAME ASSY, GRILLE
19 ♦	X-4901-203-0	CABINET ASSY, SPEAKER
20 ♦	4-901-220-00	ABSORBENT, ACOUSTIC (REAR 2)
21 ♦	4-901-221-00	ABSORBENT, ACOUSTIC (1)
22 ♦	4-901-222-00	ABSORBENT, ACOUSTIC (2)
23 ♦	4-901-223-00	ABSORBENT, ACOUSTIC (DUCT)
24 ♦	4-901-225-00	ABSORBENT, ACOUSTIC (TOP)

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
51	3-701-020-00	BAG, CHECK SHEET
52	3-773-567-11	MANUAL, INSTRUCTION
53	4-866-816-00	LABEL, CAUTION
54	4-901-203-00	BOARD, BOTTOM
55	1-534-687-00	CORD, SPEAKER SYSTEM CONNECTION

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501 ♦	1-536-676-00	TERMINAL BOARD (NETWORK)
502	1-536-715-00	TERMINAL BOARD, SPEAKER
ATT1	1-511-031-21	ATTENUATOR
ATT2	1-511-031-21	ATTENUATOR
C1	1-123-857-00	CAP, ELECT (NONPOLAR) 4.7MF 50V
C2	1-123-595-00	CAP, ELECT (NONPOLAR) 22MF 50V
C3	1-123-860-00	CAP, ELECT (NONPOLAR) 22MF 50V
C4	1-130-674-00	CAP, POLYESTER FILM 2.2MF 125V
C5	1-123-888-00	CAP, ELECT (NONPOLAR) 18MF 50V
C6	1-130-674-00	CAP, POLYESTER FILM 2.2MF 125V
C7	1-123-592-00	CAP, ELECT (NONPOLAR) 8.2MF 50V
C8	1-123-863-00	CAP, ELECT (NONPOLAR) 2.2MF 50V
C9	1-123-863-00	CAP, ELECT (NONPOLAR) 2.2MF 50V
C10	1-124-114-00	CAP, ELECT (NONPOLAR) 4.7MF 63V
CB1	1-532-680-00	CIRCUIT BREAKER
L1	1-459-200-00	COIL, NETWORK (3.3MMH)
L4 ♦	1-459-342-00	COIL, NETWORK (CHUS TYPE)(2.2MMH)
L2 ♦	1-459-490-00	COIL, NETWORK (0.27MMH)
L3	1-459-493-00	COIL, NETWORK (CHUS TYPE)(0.75MMH)
L5	1-459-494-00	COIL, NETWORK (0.12MMH)
R1	1-217-059-00	RES, WIREWOUND 2.7 10% 5W
SP1	8-927-136-00	SPEAKER UNIT (WOOFER)
SP2	8-927-135-00	SPEAKER UNIT (MID RANGE)
SP3	8-927-134-00	SPEAKER UNIT (TWEETER)

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

COILS
- MMH : mH, UH : μH

©1983

1062

APM-55W

996

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

No. 1
November, 1983

SUPPLEMENT

Add following parts on page 4 in Service Manual.

Part No.	*Description*
4-901-217-01	EMBLEM, APM
4-856-103-01	BAG, PROTECTION
4-869-417-00	CUSHION
4-901-216-00	INDIVIDUAL CARTON
♦;4-901-226-00	LABEL, MODEL NUMBER
♦;4-901-227-00	SHEET, PROTECTION

Following part has been changed.

	Former Part		New Part	
No.	Part No.	Description	Part No.	Description
10	4-850-828-00	CUSHION	2-227-716-01	CUSHION

SPEAKER SYSTEM

SONY®

English
83K06133-1
Printed in Japan
© 1983

9-951-256-81

Sony Corporatior

AUD

996